

**Hydraulic Dump Material
Collection System (MCS):
50, 55, and 70
Series Tractors
(Serial No. 010001 –)**



**OPERATOR'S
MANUAL**

**John Deere
Worldwide Commercial and
Consumer Equipment Division
OMM95294 C7**

North American Version
Litho in U.S.A
English

TABLE OF CONTENTS

	Page
Safety	1
Installing	3
Removing	7
Operating.....	9
Service Machine Safely	18
Service	21
Troubleshooting	25
Storing Machine.....	28
Assembly	30
Specifications	51
Index	52
John Deere Service Literature.....	57

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SAFETY SIGNS

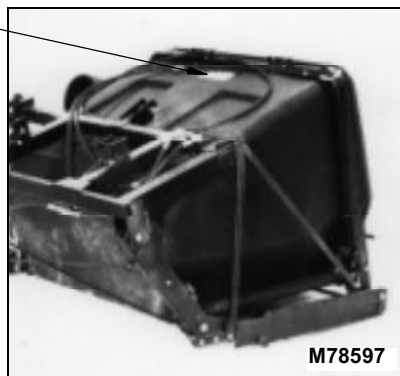
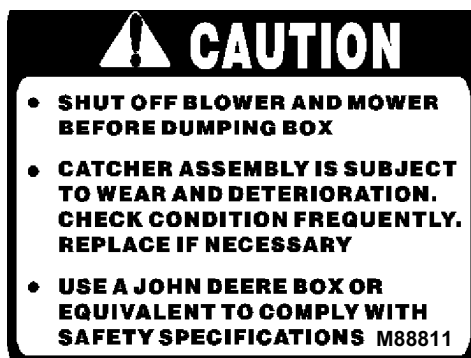
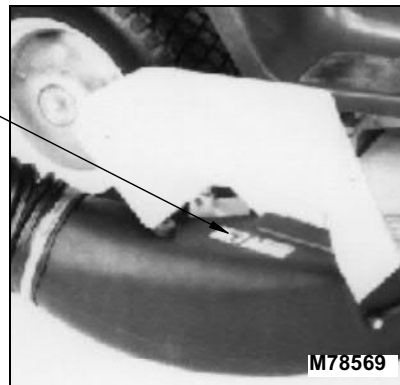
Safety-Alert Symbol

Read and recognize safety information.
Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.



Machine Safety Labels



SAFETY SIGNS



INSTALLING

SAFETY

Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Avoid High Pressure Fluids



- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

INSTALLING

Tractor Requirements

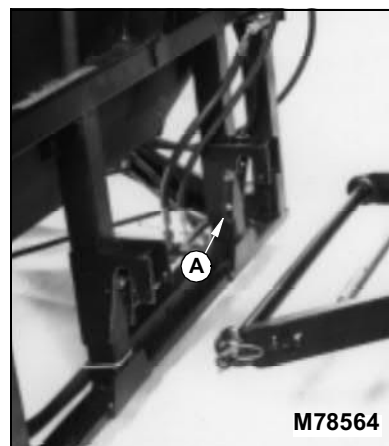
1. Tractor must have a category 1, 3-point hitch.
2. 655, 755, 855 and 955 tractors must have a mid-rockshaft hydraulic cylinder. This prevents the MCS from raising and lowering every time the mower deck is raised or lowered.
3. 650 and 750 tractors require a 3-point hitch with a chain leveling kit. 670 and 770 tractors require a 3-point hitch.
4. Install maximum number of front weights.
5. Tractor must have a 50 or 60 in. mower deck.

Installing MCS

1. Install crossbar through draft-links. Fasten it with two quick-lock pins.



2. Open left and right MCS frame safety latches (A).

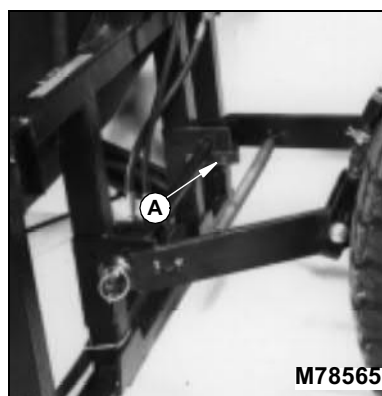


INSTALLING

IMPORTANT: To help prevent damage to the hydraulic dump, close safety latches before it is raised or lowered.

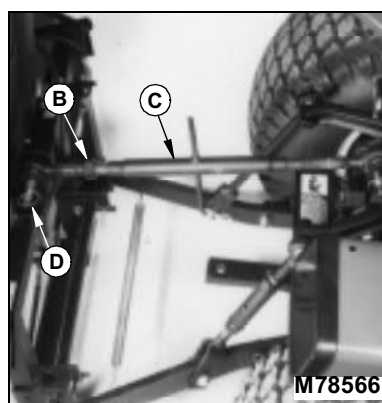
3. Back tractor into position. Raise hitch until crossbar contacts top of hydraulic dump brackets.

4. Close each safety latch (A).



5. Loosen locking nut (B) on center link (C).

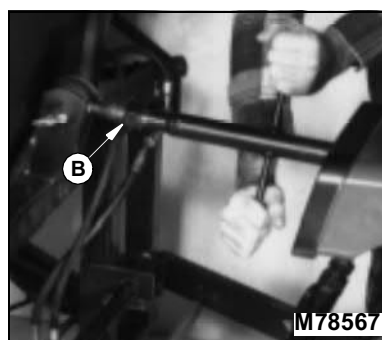
6. Adjust center link and install pin. Fasten it with quick-lock pin (D). The same amount of threaded rod should show on each end of center link.



7. Start tractor engine and raise MCS 350 mm (14 in.) off ground.

8. Adjust center link until frame is perpendicular to the ground.

9. Tighten locking nut (B) against center link.



INSTALLING

10. Remove both stabilizer feet (E).



11. Connect hydraulic lines to tractor:

- 50 Series Tractors: See **Install Hydraulic Lines–50 Series Tractors** in the ASSEMBLY section.
- 55 Series Tractors: See **Install Hydraulic Lines–55 Series Tractors** in the ASSEMBLY section.
- 70 Series Tractors: **See Install Hydraulic Lines–70 Series Tractors** in the ASSEMBLY section.

12. If equipped, connect plug for optional light kit into tractor.

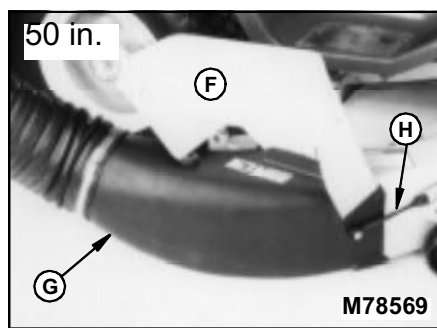
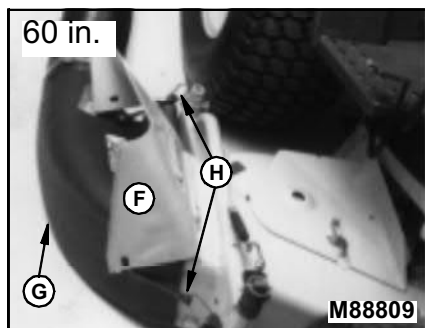
13. Clean grass and dirt from underside of discharge chute.

14. Lower mower deck to its lowest position.

15. Raise hydraulic dump to its highest operating position.

16. Raise discharge chute (F) and fasten boot (G) to mower deck with strap (H).

NOTE: 60 in. mower decks require two straps. 50 in. mower decks require one strap.



REMOVING

SAFETY

Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Avoid High Pressure Fluids



- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
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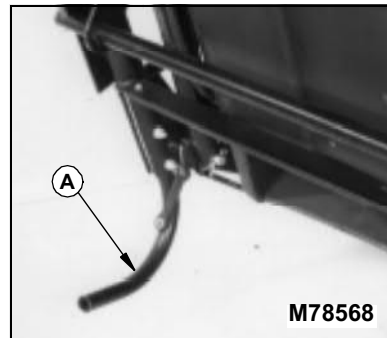
REMOVING

Removing MCS

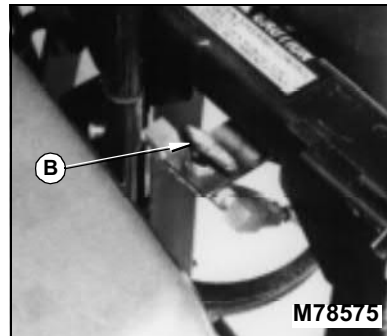


CAUTION: Stop tractor and Power-Pak engines before removing MCS.

1. Remove mower boot from mower.
2. Install both MCS rear stabilizer feet (A).
3. Lower tractor 3-point hitch.



4. Put hydraulic dump shut-off valve (B) in the horizontal and open position shown.



5. Relieve hydraulic pressure by moving tractor hydraulic lever in both directions.
6. Remove hoses from tractor quick-couplers. Install hose protectors on hose ends. Remove tie straps securing hoses to tractor.
7. If equipped, remove plug for optional light kit from tractor.
8. Remove MCS from tractor 3-point hitch.



OPERATING

SAFETY

Operate Safely



- Check vehicle brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order. Keep all shields and guards in place.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- DO NOT let anyone, especially children, ride on machine or vehicle.
- DO NOT let children or an untrained person operate machine.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- DO NOT operate machine while under the influence of drugs or alcohol.



Suggest:

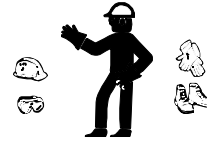
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OPERATING

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.

Avoid Injury From Contacting Blades



Before you dismount to unplug or adjust mower:

- DISENGAGE PTO to stop mower blades.
- STOP the engine.
- LOCK the park brake.
- Remove key.
- Wait for mower blades to STOP.
- Keep hands, feet and clothing away from mower deck when engine is running.
- DISENGAGE PTO to stop mower blades when you are not using mower.

Protect Children

- Before backing up: Look behind for children.
- DO NOT allow children to get inside MCS.
- DO NOT allow children to ride on tractor or MCS.



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